

10  
Claims

What is claimed is:

5 1. A method of manufacturing a luminescent screen assembly on a faceplate panel of a color cathode-ray tube, comprising:

applying an organic conductive layer on the faceplate panel;

applying an organic photoconductive layer on the organic conductive layer;

10 charging the organic photoconductive layer to a desired voltage, thereby

giving the organic photoconductive layer a surface charge of one polarity;

sequentially discharging selected portions of the charged organic photoconductive layer; and

15 affixing a color-emitting phosphor having a charge of the opposite polarity as that

of the organic photoconductive layer onto the charged portions of the organic photoconductive layer after each discharging step.

20 2. The method of claim 1 wherein the negative voltage is within a range of about

- 200 volts to about - 600 volts.

25 3. The method of claim 1 wherein the color emitting phosphors are positively charged within a range of about 2  $\mu\text{C}/\text{gram}$  to about 10  $\mu\text{C}/\text{gram}$ .

4. The method of claim 1 wherein the positive voltage is within a range of about

+ 200 volts to about + 600 volts.

30 5. The method of claim 1 wherein the color emitting phosphors are negatively charged within a range of about -2  $\mu\text{C}/\text{gram}$  to about -10  $\mu\text{C}/\text{gram}$ .

6.

5

giving the organic photoconductive layer a surface charge of one polarity;

10

after each discharging step, wherein

15

photoconductive layer has a surface charge of one polarity and the corresponding color-emitting phosphor has a charge of the same polarity.